

From wd5ivd@tapr.org Sat Nov 09 01:23:50 1996
Received: from [208.134.134.42] ([208.134.134.42]) by tapr.org (8.7.5/8.7.3/1.9)
with ESMTP id BAA04357; Sat, 9 Nov 1996 01:23:45 -0600 (CST)
Message-Id: <v03007803aea9dae8aced@[208.134.134.42]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 9 Nov 1996 01:28:37 -0600
To: "TAPR-BB list mailing"<tapr-bb@tapr.org>,
"Spread Spectrum "<ss@tapr.org>,
"NETSIG list mailing"<netsig@tapr.org>,
"AMSAT BB Mail Group "<amsat-bb@amsat.org>,
"Bill Westradio Pasternak"<billwa6itf@aol.com>,
"Len KB7LPW Winkler"<lenwink@indirect.com>,
"Hap KC9RP RAIN Holly"<hholly@ais.net>,
"Dave Wolf TCET"<wo5h@tapr.org>, "Greg Jones WD5IVD" <wd5ivd@tapr.org>,
"Rich CQ VHF"<NW2L@aol.com>,
"Gagne, Jennifer, N1TDY" <jgagne@arrl.org>,
"Donald Rotolo"<73227.2644@compuserve.com>,
"Stan Horzepa"<stanzepa@nai.net>,
"Bob Hansen (TAPR) "<psr@tapr.org>,
"Paul Rinaldo"<prinaldo@interramp.com>,
"TAPR SYS "<tapr-sys@tapr.org>
From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Subject: TAPR Spread Spectrum STA Granted

TAPR's Spread Spectrum Special Temporary Authorization is Granted
November 8th, 1996

The FCC has granted a Special Temporary Authorization (STA) to Greg Jones, WD5IVD, and Dwayne Hendricks, WA8DZP, on behalf of TAPR (Tucson Amateur Packet Radio, Corp), regarding spread spectrum communications. On April 10th, 1996, TAPR requested a waiver of the rules and regulations governing Amateur Radio spread spectrum communications in order to conduct an experimental program to test spread spectrum emissions over amateur radio facilities on different bands.

Full details on the TAPR spread spectrum STA are available on its web page <<http://www.tapr.org>> under the Spread Spectrum area.

A Special Temporary Authorization (STA) is the authority granted to a permittee or licensee to permit the operation of a broadcast facility for a limited period at a specified variance from the terms of the station authorization or requirements of the FCC rules applicable to the particular class of station.

TAPR recently released a position statement on Spread Spectrum Technology Development which in part states, "TAPR believes that the technical facts support our conviction that conventional and spread spectrum systems can coexist without detriment to conventional systems on all frequencies from MF to EHF. To this end, TAPR will begin to research spread spectrum systems that will develop technology for future deployment."
(<<http://www.tapr.org/ss/>>)

TAPR plans to continue its leading role in developing standards and technology for spread spectrum communications for the amateur radio community through discussion groups, cooperative efforts and experimental programs such as now being permitted by the recently granted STA. In particular, due to the rapid development of communications hardware and software, TAPR believes that the use of hybrid spread spectrum emissions, as well as spreading codes not envisioned by Section 97.311(d) of the Rules can be employed without causing harmful interference to other amateur radio operators.

TAPR was founded in 1982 as an international organization with interests in the areas of packet and digital communications. Today, TAPR continues as a membership supported nonprofit amateur radio research and development organization, and currently has more than 2,000 members worldwide. TAPR continues to develop kits for the amateur radio community and is working actively on publications and communications standards.

Tucson Amateur Packet Radio

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e-mail: TAPR@TAPR.ORG ftp: ftp.tapr.org web: <http://www.tapr.org/>

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http://www.tapr.org/~wd5ivd

From wd5ivd@tapr.org Thu Nov 28 20:18:53 1996
Received: from [128.83.253.81] (slip-h-1.ots.utexas.edu [128.83.253.81]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id UAA16470 for <tapr-bb@tapr.org>; Thu, 28 Nov 1996 20:18:50 -0600 (CST)
Message-Id: <v03007804aec3f8b91e42@[128.83.113.65]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 28 Nov 1996 20:21:30 -0600
To: "TAPR-BB list mailing" <tapr-bb@tapr.org>
From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Subject: Fw: My Spread Spectrum Letter to FCC

Since Bob posted this on the vhf list, I don't have to copy and mail it out to everyone now.

Bob sent this into the FCC the day after we got the STA. Dewayne's comment on it was 'to bad amateurs don't understand the system.' Basically, nothing should come of this....you don't ask for changes to a STA like a rule making. We don't have to comment on it either. We have our STA and

the FCC will onyl worry about renewing it in 6 months -- they sure will not want to make changes to it.

Greg

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>> -----
>> > From: Robert Carpenter <rcarpen@lan2wan.com>
>> > To: vhf@w6yx.stanford.edu
>> > Subject: My Spread Spectrum Letter to FCC
>> > Date: Thursday, November 28, 1996 5:17 PM
>> >
>> > I mailed the following letter about a week ago. I've delayed in
>posting
>> > it to allow the recipients to get their paper copy first.
>> >
>> > Bob Carpenter w3otc   rcarpen@Lan2Wan.com
>> >                               Robert J. Carpenter, W3OTC
>> >                               12708 Circle Drive
>> >                               Rockville, MD 20850-3713
>> >
>> >                               20 November 1996
>> >
>> > Chairman,
>> > Federal Communications Commission,
>> > Washington, DC 20554
>> >
>> > Dear Sir:
>> >
>> > On November 8, 1996, the Private Wireless Division of the FCC's
>Wireless
>> > Telecommunications Bureau modified the Special Temporary Authorization
>> (STA)
>> > issued to Tucson Amateur Packet Radio (TAPR). I feel that these
>> > modifications, unless altered, will seriously compromise the results of
>> any
>> > experimentation under this STA.
>> >
>> > The major thrusts of the STA modification are:
>> >
>> > a) allow Spread Spectrum (SS) transmissions on the amateur frequencies
>> above
>> > 50 MHz,
>> >
>> > b) allow the use of any spreading sequence,
>> >
>> > c) no longer require stations using SS to identify in a manner which
>can
>> be
>> > understood on conventional amateur receiving equipment.
>> >
>> > Continued is the requirement that test transmissions must be terminated
>> if
>> > they interfere with other amateur communication.
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>> >
>> > There is widespread alarm among the many users of the heavily populated
>
>> > amateur bands between 50 and 450 MHz that SS transmissions will
>seriously
>> harm
>> > the present users. Thus it is very important that operation under the
>> subject
>> > STA be conducted in an open manner so that all amateurs can participate
>> and
>> > observe the results.
>> >
>> > I request that the FCC require that users of the TAPR STA post their
>> operating
>> > log, within 24 hours of each period of SS operation, on the well-known
>> TAPR
>> > site on the World Wide Web (www.tapr.org). The log information must
>> include:
>> > call letters of station, location, time, frequencies employed, power,
>> antenna,
>> > SS type, etc.
>> >
>> > This requirement would have a number of benefits:
>> >
>> > 1) without such a public record, other band occupants will have no way
>of
>>
>> > identifying the source of SS transmissions, should there actually be
>> > interference,
>> >
>> > 2) it would demonstrate the technical prowess of TAPR in fielding real
>> tests
>> > of real SS equipment,
>> >
>> > 3) without the open testing this requirement would encourage, the issue
>> of SS
>> > in amateur radio will remain very contentious and clouded in distrust
>and
>>
>> > misinformation,
>> >
>> > 4) it would demonstrate the serious and thorough nature of the tests
>> under the
>> > STA,
>> >
>> > 5) by making the SS operation public in nearly real time, it would
>reduce
>> the
>> > number of false reports of SS interference,
>> >
>> > 6) it would allow other users of the bands to correlate their
>> observations
>> > with the SS STA users (after the fact).

>> >
>> > I request that the Commission act immediately to add the above logging
>> and
>> > posting requirement to the TAPR STA. It would not hamper
>experimentation
>> in
>> > any way. It is not onerous. TAPR already possesses all of the
>necessary
>>
>> > facilities.
>> >
>> > Respectfully submitted,
>> >
>> >
>> > Robert J. Carpenter
>> >
>> > cy:
>> > Greg Jones, TAPR
>> > Paul Rinaldo, ARRL
>> >
>> >
>

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